



PATENT Attorney Docket No. REGEN1610-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Dinah W. Y. Sah et al.

Art Unit:

1636

Application No.:

10/813,203

Examiner:

TBD

Filed:

March 29, 2004

Conf. No.

5122

Title:

HUMAN CNS CELL LINES AND METHODS OF USE THEREFOR

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application please find:

- 1. Information Disclosure Statement (2 pages);
- Form PTO 1449 (4 pages) 2.
- 3. Return Receipt Postcard

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on February 24, 2005, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

In re Application of:

Dinah W. Y. Sah et al.

Application No.: 10/813,203

Filed: March 29, 2004

Page 2

No fee is deemed necessary with the filing of this paper. The Commissioner is hereby authorized to charge any other fees associated with the filing submitted herewith, or credit any overpayments to Deposit Account No. 07-1896. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

PATENT

Atty Docket No.: REGEN1610-1

Date: February 24, 2005

Richard J. Imbra

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the references relating to continuation application U.S. Serial No. 08/711,628, filed September 9, 1996, now U.S. Patent No. 6,713,247. For the convenience of the Examiner, the references are listed on the attached Form PTO-1449.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, February 24, 2005, in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Karin E. Harden

Name of Person Mailing Par

Signature

In re application of:

Dinah W. Y. Sah et al.

Serial No. 10/813,203

Filed: March 29, 2004 Page 2

Atty Docket No. REGEN1610-1

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It is respectfully requested that these references be considered in the examination of this

application and their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure

Statement, because it is being filed prior to the receipt of a first office action on the merits of the

above-captioned application. However, if any fee is required, authorization is hereby given to charge

any fees associated with the filings submitted herewith, or credit any overpayment to Deposit

Account No. 07-1896. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: February 24, 2005

Richard J. Imbra

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USPTO CUSTOMER NUMBER 28213

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San Diego, CA 92121-2133

Approved for use through 07/31/2006. OMB 0651-0031

Dinah W. Y. Sah et al.

1636

TBD

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Art Unit

First Named Inventor

Examiner Name

INFORMATION DISCLOS STATEMENT BY APPLY

(Use as many sheets as necessary)

Attorney Docket Number Sheet REGN1610-1

U. S. PATENT DOCUMENTS					
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*		Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA	us-6,713,247 B1	03/30/2004	Sah et al.	
	AB	us-6,197,585 B1	03/06/2001	Stringer	
	AC	us-5,928,947	07/27/1999	Anderson et al.	
	AD	us-5,849,553	12/15/1998	Anderson et al.	
	AE	us-5,750,376 ·	05/12/1998	Weiss et al.	
	AF	us-5,693,511	12/02/1997	Harris et al.	
	AG	us-5,654,183	08/05/1997	Anderson et al.	
	AH	us-5,411,883	08/12/1992	Boss et al.	
	Al	us-5,270,191	12/14/1993	McKay et al.	
	AJ	us-5,196,315	03/23/1993	Ronnett et al.	
	AK	us-5,082,670	01/21/1992	Gage et al.	
	AL	us-2001/0033835	10/25/2001	Daley et al.	
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	FOREIGN PATENT DOCUMENTS					•
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³⁻ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	AU 727113	03/26/1998	Sah et al.		·
	BB	GB 2 294 946 A	05/15/1996			
	ВС	WO 89/09816	10/19/1989			
	BD	WO 93/01275	01/21/1993			
	BE	WO 94/09118	04/28/1994			

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Complete if Known Substitute for form 1449A/PTO Application Number 10/813,203 Filing Date March 29, 2004 INFORMATION DISCLOSURE First Named Inventor Dinah W. Y. Sah et al. STATEMENT BY APPLICANT Art Unit 1636 (Use as many sheets as necessary) Examiner Name **TBD** Attorney Docket Number Sheet **REGEN1610-1** of

		NON PATENT LITERATURE DOCUMENTS				
Examiner C nitials* N	Cite Io. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
CA Buc-Caron, "Neuroepithelial progenitor cells explanted from human fetal brain proliferate and differentiate in vitor," Neurobiology of Disease 2:37-47, 1995						
C	В	Cattaneo et al., "Proliferation and differentiation of neuronal stem cells regulated by nerve growth factor," Nature, 347:762-765, 1990				
C	C	Galiana et al., Journal of Neuroscience Research, Vol. 36, pp. 133-146				
C	D	Gallyas et al., "Identifying Monoaminergic, GABAergic, and Cholinergic Characteristics in Immortalized Neuronal Cells Lines," Neurochemical Res. 22(5):569-575 (1997)				
C	E	Hoshimaru et al., "Differentiation of the Immortalized Adult Neuronal Progenitor Cell Line HC2S2 into Neurons by Regulatable Suprression of the v-myc Oncogene," Proc. Natl. Acad. Sci. USA, 93:1518-1523 (1996)				
C	F	Maisonpierre et al., "Neutrophin-3: A Neurotrophic Factor related to NGF and BDNF," Science 247:1446-1451, 1990				
C	G	Martinez-Serrano et al., "Immortalized neural progenitor cells for CNS gene transfer and repair," Trends Neurosci., 20(11):530-538, 1997				
C	Н	McKay et al., J. Neuropathy and Exp. Neurol., May 1992, 272-280 Prasad et al., "Establishment and Characterization of Immortalized Clonal Cell Lines From Fetal Rate Mesencephalic Tissue," In Vitro Cell. Devel. Biol. 30A:596-603 (1994)				
C	CI					
С	;J	Rinehart et al., Carcinogenesis, Vol. 14, pp. 993-999				
	-					

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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Complete if Known Substitute for form 1449A/PTO Application Number 10/813,203 Filing Date March 29, 2004 INFORMATION DISCLOSURE First Named Inventor Dinah W. Y. Sah et al. STATEMENT BY APPLICANT Art Unit 1636 **Examiner Name TBD** (Use as many sheets as necessary) Sheet 3 of Attorney Docket Number REGEN1610-1

	U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
		Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
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	FOREIGN PATENT DOCUMENTS					
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	BF	WO 94/09119	04/28/1994			
	BG	WO 94/10292	05/11/1994			
	ВН	WO 94/16059	07/21/1994			
	ВІ	WO 94/16718	08/04/1994			
	BJ	WO 96/14400	05/17/1996			

Examiner	Date	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of 4

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Art Unit	1636	Ÿ
Examiner Name	TBD	
Attorney Docket Number	REGEN1610-1	

		NON PATENT LITERATURE DOCUMENTS				
xaminer nitials*	Cite No. ¹					
	CK	Sah et al., "Bipotent progenitor cell lines from the human CNS," Nature Biotechnology 15(6):5740580, 1997				
	CL	Sah et al., "Conditional Immortalization of Human Neuronal, Glial and Mutli-Potent CNS Progenitor Cells," Society For Neuroscience Abstracts 22(1-3): p. 29, Abstract No. 21.12, 1996				
	СМ	Saneto et al., "Neurochemistry: A Practial Approach, IRL Press, Washington, D.C., 1987, Chapter 2, "Neuronal and glial cells: cell culture of the central nervous system," pp. 27-63				
	CN	Urban et al., TINS, Vol. 13, No. 4, 1990, 132-137 Walicke et al., "Fibroblast growth factor promotes survival of dissociated hippocampal neurons and enhances neurite extension," Proc. Natl. Acad. Sci, USA 83:3012-3016, 1986				
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	СР	Watson et al., "TheGenes behind the Functioning of the Brain," Recombinant DNA, 1997, 2nd Ed., pp. 413-417				
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